

**What is claimed is:**

1. A wireless and hands-free earphone with a sound-absorbing function, comprising:

5 an earphone with a wireless communication module therein;

a membrane sound capture device for receiving input of a sound wave;

a connecting line between the earphone and the membrane sound capture device; and

a sticking layer with the membrane sound capture device therein;

10 wherein the membrane sound capture device receives a user's sound wave and propagates sound by the wireless communication module of the earphone through the connecting line.

2. The wireless and hands-free earphone with a sound-absorbing function as in claim 1, wherein the wireless communication module is a bluetooth  
15 module.

3. The wireless and hands-free earphone with a sound-absorbing function as in claim 1, wherein a plurality of vent holes are defined on the membrane sound capture device.

4. The wireless and hands-free earphone with a sound-absorbing function  
20 as in claim 1, wherein an insertion hole is defined on the earphone and one end of the connecting line inserts into the insertion hole.